

## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

This Task Order Progress Report is for the Remedial Investigation/Feasibility Study (RI/FS) at the United Zinc Number 1 Site in Iola, Kansas. This Report summarizes work performed during the reporting period as well as financial information relative to Contractor compliance with the negotiated schedule and budget detailed in the Task Order Proposal submitted to EPA Region 7 by HydroGeoLogic, Inc. (HGL) on August 22, 2012, in response to the Task Order Statement of Work (SOW) issued by the EPA Contracting Officer. The Task Order Project Officer (TOPO) for this task order is Don Bahnke. Activity on this Task Order is summarized in Sections 1 through 5 and augmented by summary Reports A through G attached. This report discusses the activities conducted under this task order for the reporting period that coincides with the calendar month. *The HGL accounting period for this time frame is November 30 through December 31, 2013.* Therefore, costs associated with some activities accomplished during the calendar month, but outside the accounting period, may appear in next month's invoice. Some activities for the period of performance are retained in the monthly report to provide background information; new information for the reporting period is provided in italic type to distinguish it from historical information. *Modification 0003 was received on December 16, 2013, which provided \$101,000 in incremental funding.*

### 1. ACTIVITY FOR THE REPORTING PERIOD

#### TASK 1 - PROJECT PLANNING AND SUPPORT (PP)

##### Subtask 1.1 Attend Scoping Meeting

The scoping meeting was held at EPA on July 11, 2012. Efforts for the scoping meeting were conducted as part of the contract requirements.

##### Subtask 1.2 Site Visit and Report

Because of time constraints in meeting the submission date for the Task Order Proposal, no site visit was completed under Subtask 1.2.

##### Subtask 1.3 Task Order Proposal (Work Plan)

The initial Task Order Proposal was submitted on July 25, 2012, as part of the contract requirements.

##### Subtask 1.4 Negotiations and Task Order Proposal Revision

HGL participated in a negotiation session with EPA on August 15, 2012. Based on discussions held during this meeting, the initial Task Order Proposal was revised. The revised Task Order Proposal was submitted on August 22 and EPA subsequently awarded the task on September 20, 2012. These efforts were conducted as part of the contract requirements.

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## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
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### **Subtask 1.5 Conflict of Interest (COI) Disclosure**

The signed COI Disclosure form was submitted to EPA on July 25, 2012, with the original Task Order Proposal as Attachment A.

### **Subtask 1.6 Health and Safety Plan**

The HSP was submitted to the EPA as an attachment to the Sampling and Analysis Plan (SAP) on November 13, 2012. The HSP was revised to accommodate electro-fishing, which was added by EPA, and the revised HSP was submitted as a component of the revised SAP on July 31, 2013. HGL received additional comments from the EPA TOPO on September 12. The comments were addressed in the HSP. A revised version of the Final plan was submitted to EPA on September 27, 2013.

### **Subtask 1.7 Sampling and Analysis Plan**

No charges will be incurred under this subtask. The SAP consists of the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP); costs are allocated under these subtasks.

### **Subtask 1.8 Field Sampling Plan**

The FSP was submitted to EPA on November 13, 2012, as a component of the SAP. In late March, HGL addressed the EPA TOPO's and Regional Quality Assurance Manager's comments. The property sampling component of the FSP was approved May 3 so field efforts could commence while HGL was awaiting comments from the EPA risk assessor to update and finalize the FSP. Comments from EPA's risk assessment contractor were provided to HGL via email from the EPA TOPO Don Bahnke on July 9. The FSP was revised to include the fish tissue samples, and accommodate the number of surface water, sediment and stream bank samples that were altered by the EPA risk assessor. The revised FSP was submitted as a component of the SAP on July 31, 2013. HGL received additional comments from the EPA TOPO on September 12. Those comments were addressed in the FSP. A revised version of the Final plan was submitted to EPA on September 27, 2013.

### **Subtask 1.9 Quality Assurance Project Plan**

The QAPP component of the SAP was revised to accommodate changes to the field sampling efforts as described under Subtask 1.8.

## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
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### **Subtask 1.10 Project Management**

#### **Subtask 1.10.1 Project Management**

The following project management activities were conducted during this reporting period:

- *The HGL TOM and EPA TOPO communicated via telephone and email regarding project issues and scheduling.*
- *The HGL TOM coordinated work activities of the HGL project team.*
- *Weekly cost tracking was performed.*
- *Relevant documents and correspondence were incorporated into the project file.*
- *The monthly progress report for the previous period was prepared.*

#### **Subtask 1.10.2 Meetings**

No activities were conducted under this subtask during this reporting period.

### **Subtask 1.11 Subcontractor Procurement and Management**

No activities were conducted under this subtask during this reporting period.

### **Subtask 1.12 Evaluate Existing Data and Documents**

No activities were conducted under this subtask during this reporting period.

### **Subtask 1.13 Prepare Technical Memorandum**

This subtask was eliminated from the SOW during negotiations.

### **Subtask 1.14 Responses, Technologies, and Operable Units Memorandum**

During negotiations, EPA determined that no level of effort (LOE) hours or costs will be allocated to this subtask at this time.

### **Subtask 1.15 Exposure Pathway Analysis**

This subtask was eliminated from the SOW during negotiations.

### **Subtask 1.16 Applicable or Relevant and Appropriate Requirement (ARARs) Identification Letter Memorandum**

No activities were conducted under this subtask during this reporting period.

### **Subtask 1.17 Laboratory QA Program**

This subtask was eliminated from the SOW during negotiations.

## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
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### **Subtask 1.18 Develop and Review laboratory Qualifications**

This subtask was eliminated from the SOW during negotiations.

## **TASK 2 - COMMUNITY RELATIONS (CR)**

### **Subtask 2.1 Community Interviews**

This effort was descope by the EPA TOPO in May 2013.

### **Subtask 2.2 Community Involvement Plan**

This effort was descope by the EPA TOPO in May 2013.

## **TASK 3 - FIELD INVESTIGATION (FI)**

### **Subtask 3.1 Field Mobilization and Demobilization**

*Costs were incurred for the office space and trash, internet and phone services and minor labor hours to process the bills. The field office was closed on December 15. Lagging costs may be incurred during the next reporting period.*

### **Subtasks 3.2 and 3.3 – Not Assigned**

### **Subtask 3.4 Environmental Sampling, Including Collection, Preparation, and Shipping**

Costs for this subtask are detailed under Subtasks 3.4.1 through 3.4.7.

#### **Subtask 3.4.1 Property Access**

*Lagging costs were incurred during this reporting for rental cars.*

#### **Subtask 3.4.2 Residential Surface Soil Sampling (1,715 Properties)**

*Efforts primarily focused on digitizing the remaining field sketches and completing an initial QC of recently digitized property maps. Approximately 750 maps were digitized and initially checked. The initial review consisted of comparing the features on the digitized map to the actual property and insuring the appropriate sample areas are highlighted as exceeding 400 ppm. Final QC checks to confirm that the initial edits were incorporated in the final map began during the reporting period. About 200 maps were finalized and are ready for upload to the EPA database.*

*EPA received access agreements from three property owners in mid-December. These properties will be sampled during the January reporting period.*

### Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

#### **Subtask 3.4.3 Well Sampling**

No activities were conducted under this subtask during this reporting period.

#### **Subtask 3.4.4 Sediment and Surface Water Sampling**

*Lagging costs for vehicle rentals (including cars and a boat) and access services were incurred.*

#### **Subtask 3.4.5 Stream Bank Soil Sampling**

This effort was descoped by the EPA TOPO in September 2013.

#### **Subtask 3.4.6 Indoor Dust Sampling**

This effort was descoped by the EPA TOPO in September 2013.

#### **Subtask 3.4.7 Drip Zone Surface Soil Sampling – Not Assigned**

#### **Subtasks 3.5 and 3.6 – Not Assigned**

#### **Subtask 3.7 Manage Investigation-Derived Waste**

No activities were conducted under this subtask during this reporting period.

#### **Subtask 3.8 Site Reconnaissance**

No activities were conducted under this subtask during this reporting period.

#### **Subtask 3.9 Ecological Characterization – Not Assigned**

### **TASK 4 - SAMPLE ANALYSES (SN)**

#### **Subtask 4.1 Sample Analysis**

Costs for this subtask are allocated under Subtask 4.2.

#### **Subtask 4.2 Soil Sample Speciation Study**

*HGL coordinated with Dr. Drexler regarding upcoming efforts. Dr. Drexler requested a map highlighting the highest concentration at each residence across the entire site to help him select properties for his speciation study.*

## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

### **TASK 5 - ANALYTICAL SUPPORT AND DATA VALIDATION (AN)**

#### **Subtask 5.1 Sample Collection and Preparation**

This subtask includes only sample shipment efforts. No activities were conducted under this subtask during this reporting period.

#### **Subtask 5.2 Data Quality Objectives – Not Assigned**

#### **Subtask 5.3 Not Applicable**

#### **Subtask 5.4 Coordinate Sample Delivery**

##### **Subtask 5.4.1 EPA Region 7 Laboratory**

No activities were conducted under this subtask during this reporting period.

##### **Subtask 5.4.2 Speciation Lab – In Vitro**

No activities were conducted under this subtask during this reporting period.

##### **Subtask 5.4.3 Speciation Lab – In Vivo – Not Assigned**

#### **Subtask 5.5 Not Assigned**

#### **Subtask 5.6 Data Management**

Costs associated with data management are captured under Subtask 6.1

#### **Subtask 5.7 Data Validation**

This subtask was eliminated during the scoping meeting.

#### **Subtask 5.8 Review Data Usability**

##### **Subtask 5.8.1 XRF vs Laboratory Data Correlation**

HGL updated the correlation coefficient ( $R^2$ ) for the lead laboratory data versus the XRF field data with the data received on November 15 for ASR 6224. The final calculated  $R^2$  is 0.92. EPA Method 6200 defines anything greater than 0.7 as acceptable.

##### **Subtask 5.8.2 Particle Size Correlation**

HGL finalized the  $R^2$  60-mesh versus 10-mesh XRF soil sample spread sheet. The final calculated  $R^2$  was 0.97. The same evaluation criteria applied to the XRF versus laboratory

## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
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data in subtask 5.8.1 is applied for the particle size correlation.

### **Subtask 5.8.3 Speciation Data Report Review**

No activities were conducted under this subtask during this reporting period.

## **TASK 6 - DATA EVALUATION (DE)**

### **Subtask 6.1 Data Reduction and Tabulation**

*The HGL database specialist continued processing the XRF data and formatting laboratory data and property contact information for entry into the EPA Oracle database. The database specialist also formatted property access agreements before they were uploaded to the EPA database. Minimal upload efforts are anticipated moving forward. However, HGL does anticipate significant QC efforts for the database in early 2014.*

### **Subtask 6.2 Environmental Fate and Transport Modeling/Evaluation**

No activities were conducted under this subtask during this reporting period.

### **Subtask 6.3 Hazardous Metals Co-Location Evaluation**

HGL completed the revision of the Data Correlation and Hazardous Metals Co-Location Evaluation Report, which was originally submitted to EPA under task order 0028. The EPA TOPO requested that HGL update the report with the new correlation value calculated (see Subtask 6.1). The draft report was submitted to EPA on February 20, 2013, EPA comments were received March 13, and the revised report was resubmitted on April 25.

### **Subtask 6.4 Soil Contaminant Trend Evaluation – Not Assigned**

### **Subtask 6.5 Mail Data Transmittal Letters**

#### **Subtask 6.5.1 Newly Sampled Properties**

No activities were conducted under this subtask during this reporting period.

#### **Subtask 6.5.2 Historically Sampled Properties**

EPA provided HGL with a .pdf version of the Removal Action Summary Report that contained the field sketches for the properties previously assessed. HGL created approximately 1,600 individual .pdf files, one for each property, of the field sketches with unique identifiers. EPA requested that HGL establish and host an FTP site to transfer data as necessary. The 1,600 files were uploaded to the FTP site in early October 2012. EPA tested the site and informed HGL that the site met their requirements.

## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

### TASK 7 - ASSESSMENT OF RISKS (RA)

#### Subtask 7.1 Human Health Risk Assessment

This subtask was eliminated from HGL's scope of work during the scoping meeting; EPA elected to conduct this work.

#### Subtask 7.2 Ecological Risk Assessment

This subtask was eliminated from HGL's scope of work during the scoping meeting; EPA elected to conduct this work.

### TASK 8 - TREATABILITY STUDY/PILOT TESTING (TT) - NOT ASSIGNED

### TASK 9 - REMEDIAL INVESTIGATION REPORT (RR)

#### Subtask 9.1 Draft Remedial Investigation Report

*HGL continued preparing the RI Report. Report preparation efforts were minimal and consisted of developing the introduction, ecology, soils, geology and hydrogeology sections.*

#### Subtask 9.2 Final Remedial Investigation Report

No activities were conducted under this subtask during this reporting period.

### TASK 10 - REMEDIAL ALTERNATIVE SCREENING (RS)

#### Subtask 10.1 through 10.5 - Not Assigned

#### Subtask 10.6 Remedial Alternatives Screening Section

No activities were conducted under this subtask during this reporting period.

### TASK 11 - REMEDIAL ALTERNATIVES EVALUATION (RE)

No activities were conducted under this subtask during this reporting period.

### TASK 12 - FS REPORT (FS)

#### Subtask 12.1 Draft Feasibility Study Report

No activities were conducted under this subtask during this reporting period.

#### Subtask 12.2 Final Feasibility Study Report

No activities were conducted under this subtask during this reporting period.



### Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
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#### **TASK 13 - POST RI/FS SUPPORT (PR)**

##### **Subtask 13.1 Attend Public Meetings – Not Assigned**

##### **Subtask 13.2 Prepare Presentation Materials**

No activities were conducted under this subtask during this reporting period.

##### **Subtask 13.3 Assist with Responsiveness Summary – Not Assigned**

##### **Subtask 13.4 Assist with Proposed Plan and ROD**

No activities were conducted under this subtask during this reporting period.

##### **Subtask 13.5 Assist with FS Addendum – Not Assigned**

#### **TASK 14 - NEGOTIATION SUPPORT (NG) – NOT ASSIGNED**

#### **TASK 15 - ADMINISTRATIVE RECORD (AR) – NOT ASSIGNED**

#### **TASK 16 - TASK ORDER CLOSE OUT (CO)**

##### **Subtask 16.1 File Duplication, Distribution, Storage, and Archiving**

No activities were conducted under this subtask during this reporting period.

##### **Subtask 16.2 Return Documents to EPA**

No activities were conducted under this subtask during this reporting period.

##### **Subtask 16.3 Prepare Data Storage Media**

No activities were conducted under this subtask during this reporting period.

##### **Subtask 16.4 Task Order Closeout Report**

No activities were conducted under this subtask during this reporting period.

#### **2. SCHEDULE AND COST VARIANCES WITH RECOMMENDED SOLUTIONS**

*None to report.*

#### **3. OTHER PROBLEMS AND RECOMMENDED SOLUTIONS**

*None to report.*

## Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
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### 4. CONTRACTOR INITIATED INNOVATIONS AND COST SAVINGS

*None to report.*

### 5. ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD

*The activities planned for the next period include the following:*

- Weekly cost tracking, filing, and routine communications with the EPA TOPO.*
- Prepare the monthly status report and invoice for the previous reporting period.*
- Complete the initial review of the property maps.*
- Complete 95% of the final property map reviews.*
- Review the database to ensure the data and information was properly uploaded.*
- Prepare site map illustrating the highest lead result for each property for Dr. Drexler to use to select speciation samples.*
- Sample the three properties that provided access in December.*
- Evaluate approximately 500 properties that were not classified in the database provided by the county GIS subcontractor to determine their status (for example: residential, commercial, agricultural, etc.). Based on a preliminary review of 100 of the unclassified properties, HGL estimates that 10% of the properties are residential. Based on this percentage, HGL anticipates the team will have to attempt to gain access to 50 additional properties.*
- Dispose of nine 55-gallon drums of soil waste.*
- Continue working on the RI Report.*

### Report A: Task Order Summary

This report provides an overview of the entire Task Order, including current and cumulative expenditures, percent of project complete, current funding level, negotiated work plan hours and dollars, estimate to complete, and any open payment suspensions on the Task Order.

### Report B: Cumulative Labor Report for Task Order

This report provides the cumulative expenditures by labor category for hours and dollars for the entire Task Order.

### Report C: Task Level Summary

This report provides a summary of the expenditures for each task within the statement of work, including labor, subcontracts, travel, and other ODCs.

### Report D: Current Labor Report

This report provides a summary of personnel for the reporting period and cumulative expenditures for all labor by task.

### Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

#### **Report E: Subcontract Report**

This report provides information on activities and costs of any subcontract efforts under the Task Order for each task.

#### **Report F: ODC Report**

This report provides information on ODCs incurred other than subcontract or travel under the Task Order for each task.

#### **Report G: Travel Report**

This report provides information on travel directly related to the Task Order by task.

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